INSTRUCTION MANUAL

AIR HAMMER

READ ALL INSTRUCTIONS BEFORE OPERATING THIS TOOL

AUTO CHISEL

PROFESSIONAL TOOL

Model A-300

Specifications

Rated Air Pressure	0.59MPa (6kgf/cm^2/85 psig/5.9bar)
Air Consumption at Free Speed	0.3m^3/min (10.6cfm)
Stroke Speed	2,600 min^{-1}
Chisel shank	ϕ 10mm
Mass (Weight)	1.7kg (3.78 lbf)
The Noise Level at user's position	101dB(A)
The Noise Performance Level	105dB(A)
Vibration Level	80m/sec^2

These specifications and the profile may be changed for improvement without prior notice.

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Manufactured by:

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SAVE THESE INSTRUCTIONS

Thank you for purchasing **Nitto Kohki product.**
Before using this tool, please read this manual carefully to ensure proper, efficient operation.
This instruction manual should be kept close at hand.

CONTENTS

PICTOGRAM

Warning: It might be dangerous to operate the power tool if the instructions supplied are not followed.

Before operating the tool, read and understand all instructions supplied. Keep if for future reference.

Personal protective equipment as eye and ear protection and protective gloves must always be used when operating the tool.

⚠ WARNING

IMPORTANT SAFETY INSTRUCTIONS FOR ALL AIR TOOLS

When using air tools, basic safety precautions should always be followed to reduce risk of personal injury, including the followins.

Operator

Operators assigned to use the tool should be instructed in the safe use of the tool.
No person should use this tool without first having read and understand this instruction manual.

(1) Dress properly. Do not wear loose clothing or ornaments. They can be caught in moving parts. Non-skid footwear is recommended. Wear protective hair covering to contain long hair.

(2) Always wear eye protection. Everyday eyeglasses only have impact resistant lenses.
They do **NOT** protect eyes. Also use face or dust mask, if operations create dust.

(3) Always wear protective ear equipment.

(4) Do not overreach. Keep proper footing and balance at all times.

(5) Stay alert. Watch what you are doing.
Use common sense.
Do not operate tool when you are tired.

(6) Some tools generate substantial vibrations. If discomfort or pain is encountered during use, you should cease operations and check with your physician prior to further use.

(7) Be sure to keep hands clear of moving parts.

Work-place

(1) Keep work area clean. Cluttered work areas and benches invite accidents and injuries.

(2) Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit.

(3) Do not operate near flammable liquids or in gaseous or explosive atmospheres.

(4) Keep children away. Also all visitors should be kept away from work area. Do not let visitors contact the tool, compressor or connecting hoses.

(5) Some tools generate high noise levels. Check to be sure that the use of this tool conforms to all local noise regulations.

Before Work

(1) Be sure all external screws, nuts and bolts are tightly secured prior to each use.

(2) Do not use damaged frayed or deteriorated hoses and fittings.

(3) Remove adjusting keys and wrenches. From habit of checking to see that adjusting keys and wrenches are removed from tool before turning it on.

(4) Use right tool. Do not force a small tool or attachment to do the job of a heavy-duty tool. Do not use tool for a purpose not intended.

(5) Do not force tool. It will do the job better and safer at the rate for which it was designed.

(6) Secure work. Use clamps or a vise to hold work when practical. It is safer than using your hand and it frees both hands to operate tool.

(7) Air pressure at the inlet must not exceed 0.59 MPa (6 kgf/cm^2/85 psig/5.9 bar).

Handling

(1) Store idle tools. When not in use, tools should be stored in dry, and locked-up places out of reach of children.

(2) Avoid unintentional starting. Do not carry air powered tool with finger on throttle. When carrying tool, be sure the connecting hose to the compressor is disconnected.

(3) Reduce the risk of unintentional starting. Make sure throttle is in off position before connecting air hose to tool.

(4) Do not abuse hose. Never carry tool with air supply hose connected or yank on hose to disconnect.

(5) Never leave tool running unattended. Always turn off the air supply and disconnect the air supply hose. Do not leave tool unattended until it comes to a complete stop.

Maintenance

(1) Do not reconstruct or modify.

(2) Check damaged parts. Before further use of the tool, an accessory or orther part that is damaged should be carefully checked to determine that it will operate properly and perform its intended functions. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. An accessory or other part that is damaged or inoperable should be properly repaired or replaced.

(3) Repairs by authorized personnel. Any repairs on the tool or installation of replacement parts should be performed only by the sales agent from whom you purchased the tool or the manufacturer. Use only genuine replacement parts. Failure to utilize the expertise of an authorized sales agent from whom you purchased the tool or the manufacturer or, failure to use genuine replacement parts may result in an increased risk of injury to the user and may invalidate your warranty.

(4) Use recommended accessories. Consult this manual or the sales agent from whom you purchased the tool or the manufacturer for recommended accessories. The use of improper accessories may cause risk of injury to persons.

(5) Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on the tool or before performing any maintenance on the tool.

(6) Do not remove any label placed on the tool.
If the labels become damaged, or begin to peel away, contact the sales agent from whom you purchased the tool or the manufacturer for their immediate replacement.

⚠ WARNING

IMPORTANT INSTRUCTIONS FOR AIR HAMMER

(1) Idle operation will cause the malfunction and shorten the life of the tool.

(2) Stop operation when chisel is not function properly when the tool becomes hot.

(3) To reduce the power, reduce air pressure by air regulator or tighten the valve of compressor.

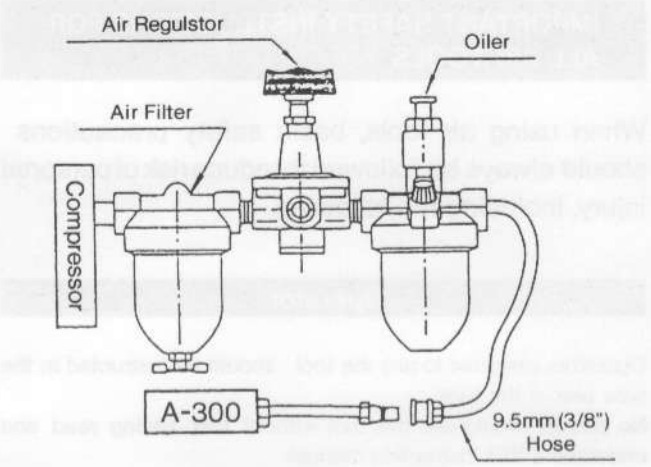
1 USAGE

This tool is for chipping work pieces with a chisel.

2 AIR SUPPLY

2-1 Air Pressure
Air pressure largely determines tool performance. This tool is designed to be operated at air pressure of 0.59 MPa (6 kgf/cm^2 /85 psig/5.9 bar) maximum.

2-2 Air Line
Use a 9.5 mm (3/8") air hose between the compressor and the tool. Compressed air is cooled and its drain separated, as soon as the air leaves the compressor. The drain, however, is condensed in the piping, and can enter the tool mechanism, and may cause trouble. So, install an air filter and an oiler between the compressor and the tool.



[Fig. 1]

2-3 Lubrication
Install an oiler between the compressor and the tool. Use #10 machine oil. Neglecting the oil supply will cause damage.
Use of thick oil will lead to poor performance. Always use #10 machine oil.

2-4 Short hose fittings
Do not fix a coupling directly on the product. Make sure that after a short hose is fixed with the Hose Nipple PT1/4 × 1/4 included in the accessories, then the coupling be attached. If the coupling is directly fixed, it would be damaged by the vibration and the life would be shortened.

3 REPLACING CHISELS (FIG. 2)

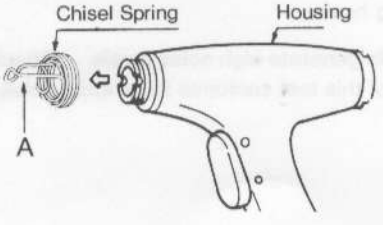
⚠ WARNING

Always turn off the air supply and disconnect the air supply hose.

(1) Turn the chisel spring counterclockwise and remove it. (For removal, hold the spring A and turn it in such a way that it is loosened).

(2) Change the chisel and reassemble vice versa.

(3) To mount the chisel, insert the chisel and lock the chisel spring by turning it clockwise to prevent the chisel from being withdrawn.

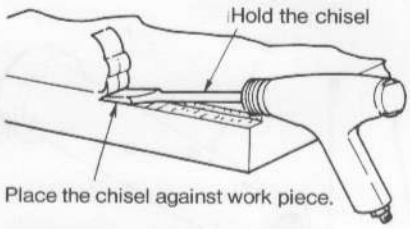


[Fig. 2]

4 OPERATING PROCEDURE

4-1 To prevent the chisel jumping (Fig. 3)
First, grasp the grip and place the chisel to the work. Gradually press the trigger and go to full operation after the cutting position has been determined. The chisel should not jump off the work.

4-2 Use the hand holding the valve body to press gently and guide the chisel so that it does not come away from the work.



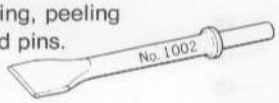
[Fih. 3]

5 TYPE OF CHISELS AND THEIR APPLICATIONS

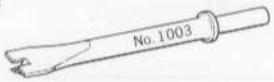
Please order with the chisel numbers below.

No. 1001 Blank Chisel
Bending iron plate, removing king pins.

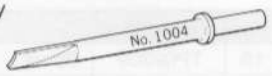
No. 1002 Flat Chisel
Puts increased efficiehcy into scraping, peeling spot welds, and cutting off bolts ahd pins.



No. 1003 Sheet Metal Chisel A
Cutting iron sheets, body panels of automobiles.

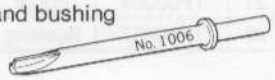


No. 1004 Sheet Metal Chisel B
Just for cutting off sheet metal body panels.

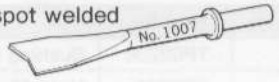


No. 1005 Silencer Cutting Chisel
A quick cut-off chisel for muffler piping.

No. 1006 Rubber Bushing Remover
Helps you remove idle arm sleeves and bushing very quickly.



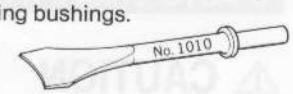
No. 1007 Spot Weld Booster
This chisel is ideal for peeling off spot welded points and cutting off pins.



No. 1008 Bushing Tool
Puts speed and ease into the job of bushing insertion.

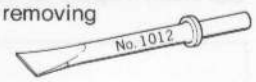
No. 1009 Punch
For driving out pins, rivets, and fitting and removing bearings and bearing races.

No. 1010 Bushing Removing Tool
A faster and suitable tool in removing bushings.

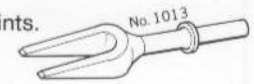


No. 1011 Sheet Metal Punch
Opens holes for bolts and rivets.

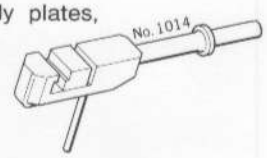
No. 1012 Bending Chisel
Helps the serviceman in peeling and removing slag around welds.



No. 1013 Fork Chisel 24
Disconnecting tie rod ends and ball joints.

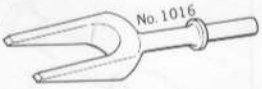


No. 1014 Panel Crimper
Bending sheet metal: external body plates, doors, fenders, etc.



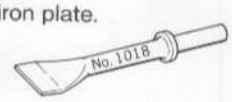
No. 1015 Scraper
Peeling paint and removing of undercoating.

No. 1016 Fork Chisel 35
Disconnecting tie rod end ball joints.

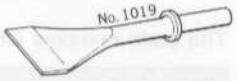


No. 1017 Fork Chisel 15
Disconnecting tie rod end ball joints.

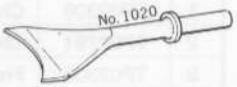
No. 1018 Scraper 38mm
Peeling off paint & removing rust from iron plate.



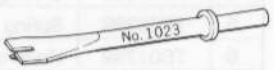
No. 1019 Scraper 60mm
Peeling off paint & removing rust from iron plate.



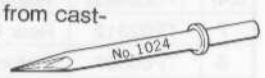
No. 1020 Concave Scraper 60mm
Removing incrustation from pipe.



No. 1023 Sheet Metal Chisel C
Cut shapes in sheet metal fast.



No. 1024 Moilpoint Chisel
Breaking up concrete, removing sand from castings.



6 THREAD SIZE OF HOSE FITTING

The product comes with a metal fitting with PT (metric) thread. Connect the Bushing PT thread X NPT thread in the vinyl bag containing standard accessories, if you would like to have American NPT thread instead.

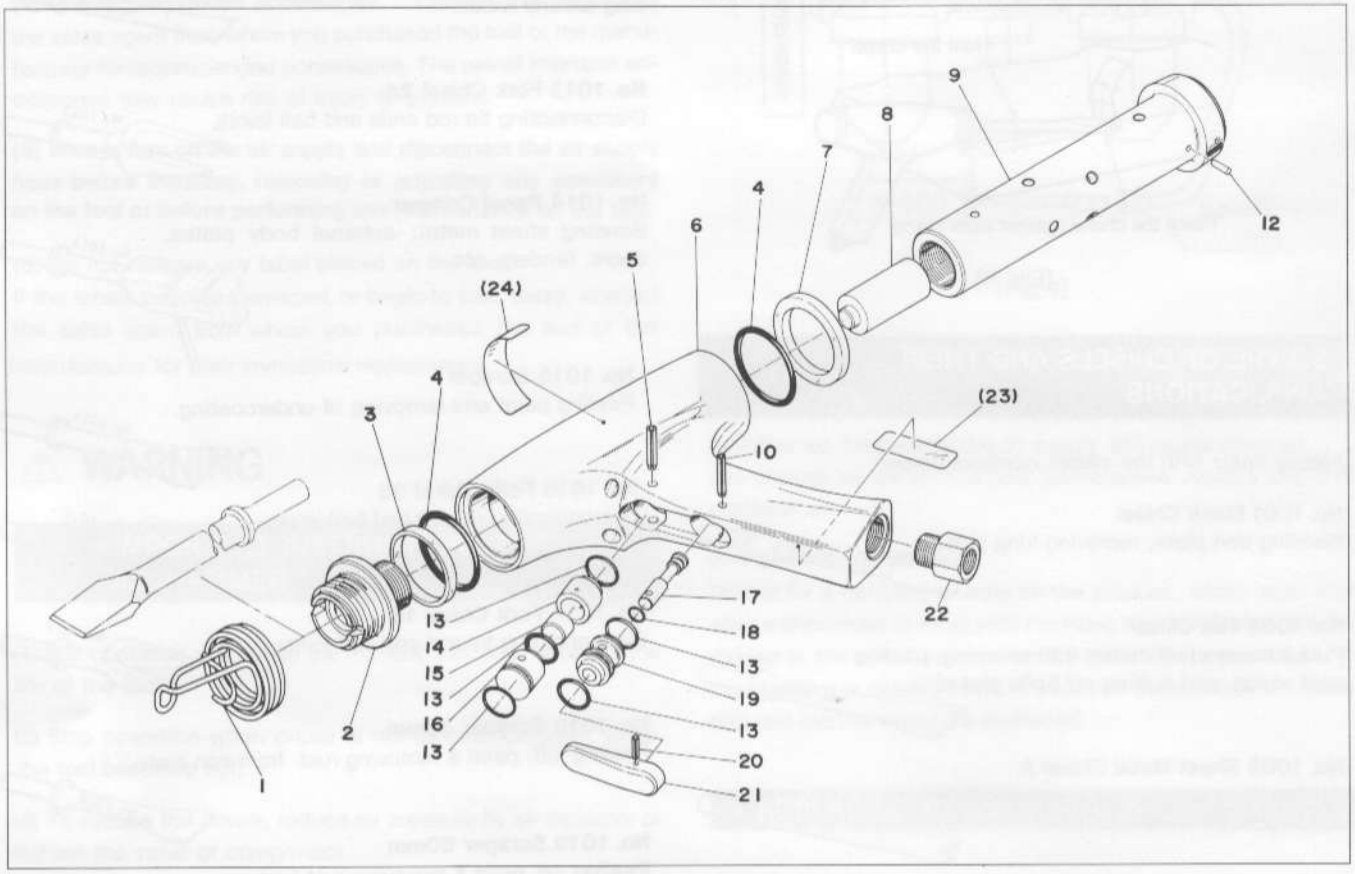
7 ORDERING SERVICE PARTS

In ordering parts and components, give parts number(s), name and quantities.

8 AUTO CHISEL A-300 ASSEMBLY AND PARTS LIST

⚠ CAUTION

The illustration is for information only. Users should never disassemble parts. Contact the sales agent from whom you purchased the tool or the manufacturer should the tool need service, repair or replacement of parts.



The parts numbers with ( ) are included in the Ass'y parts written above them.

No.	Part No.	Part Name	Qty.	Price
1	TP02308	Chisel Spring	1	
2	TP02791	Chisel Guide	1	
3	TP02300	Front Cushion	1	
4	TP11995	O Ring P-31.5	2	
5	TP08389	Spring Pin 4 × 24	1	
6	TB01799	Housing Sub Ass'y	1set	
(23)	(TQ02207)	Label CE Mark	1	
(24)	(TQ02442)	Warning Label	1	
7	TP02312	Rear Cushion	1	
8	TP00597	Piston	1	
9	TA90793	Cylinder Ass'y	1set	
10	TP00460	Spring Pin 3 × 22	1	
12	TP08932	Spring Pin 4 × 8	1	
13	TP11996	O Ring KS-10	5	
14	TP02302	Valve Case	1	

No.	Part No.	Part Name	Qty	Price
15	TP02309	Spool	1	
16	TP02303	Valve Stopper	1	
17	TP02306	Throttle Valve	1	
18	TP11994	O Ring P-4	1	
19	TP02305	Valve Guide	1	
20	TP02310	Spring Pin 3 × 12	1	
21	TP02304	Trigger	1	
22	TP00857	Bushing M16 × PT1/4	1	

Standard Accessory

No.	Part No.	Part Name	Qty	Price
	TP02236	Bushing PT1/4 × NPT1/4	1	
	CP02961	Hose Nipple PT1/4 × 1/4	1	
	TQ02469	Instruction Manual	1	

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TQ02469-1-30505A